

Form PTO-1449

(REV. 8-83)

PATENT & TRADEMARK OFFICE  
INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

US Dept. of Commerce  
PATENT & TRADEMARK OFFICEATTY DOCKET NO.  
124052APPLICATION NO.  
10/536,456

APPLICANT Hironori OKADO

FILING DATE June 2, 2005

7/13/05

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
ce	1)	10/654,432	09/04/2003	OKADO		
ce	2)	10/655,304	09/05/2003	OKADO		
ce	3)	10/657,108	09/09/2003	OKADO		
ce	4)	10/667,347	09/23/2003	OKADO		
ce	5)	US 2003/0020668 A1	01/30/2003	PETERSON	343	846
ce	6)	5,872,546	02/16/1999	IHARA et al.	343	795
ce	7)	US 2002/0122010 A1	09/05/2002	McCORKLE	343	767
ce	8)	US 6,351,246 B1	02/26/2002	McCORKLE	343	795
ce	9)	US 6,515,626 B2	02/04/2003	BARK et al.	343	700MS
ce	10)	US 6,720,924 B2	04/13/2004	TOMOMATSU et al.	343	700MS
ce	11)	US 2003/0034920 A1	02/20/2003	LEE	343	700MS
ce	12)	6,133,879	10/17/2000	GRANGEAT et al.	343	700MS
ce	13)	US 2003/0156064 A1	08/21/2003	BANCROFT et al.	343	700MS
ce	14)	US 6,603,429 B1	08/05/2003	BANCROFT et al.	343	700MS
ce	15)	US 6,707,427 B2	03/16/2004	KONISHI et al.	343	700MS
ce	16)	6,046,703	04/04/2000	WANG et al.	343	795
ce	17)	US 6,762,723 B2	07/13/2004	NALLO et al.	343	700MS
ce	18)	US 6,747,605 B2	06/08/2004	LEBARIC et al.	343	795
ce	19)	US 2002/0015000 A1	02/07/2002	REECE et al.	343	795
ce	20)	US 6,259,416 B1	07/10/2001	QI et al.	343	767
ce	21)	4,605,012	08/12/1986	RINGEISEN et al.	607	155
ce	22)	4,151,532	04/24/1979	KALOI	343	700MS
ce	23)	6,097,345	08/01/2000	WALTON	343	769
ce	24)	6,157,344	12/05/2000	BATEMAN et al.	343	700MS
ce	25)	US 6,249,254 B1	06/19/2001	BATEMAN et al.	343	700MS
ce	26)	4,500,887	02/19/1985	NESTER	343	700MS
ce	27)	5,847,682	12/08/1998	KE	343	752
ce	28)	5,532,707	07/02/1996	KLINGER et al.	343	793
ce	29)	4,151,531	04/24/1979	KALOI	343	700MS
ce	30)	4,083,046	04/04/1978	KALOI	343	700MS
ce	31)	US 6,329,950 B1	12/11/2001	HARRELL et al.	343	700MS
ce	32)	US 6,232,925 B1	05/15/2001	FUJIKAWA	343	702

Date: July 13, 2005

shibuko clm 6/14/06

Form PTO-1449 (REV. 8-83) <b>PATENT &amp; TRADEMARK OFFICE</b> <b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)		ATTY DOCKET NO. 124052		APPLICATION NO. 10/536,456		
		APPLICANT Hironori OKADO				
		FILING DATE June 2, 2005				
FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
ce	33)	EP 1 198 027 A1	04/17/2002	EUROPE		
ce	34)	JP U 3008389 w/ abstract	12/21/1994	JAPAN		
ce	35)	JP A 2001-156532 w/ abst. & trans	06/08/2001	JAPAN		
ce	36)	JP A 2001-203529 w/ abst. & trans	07/27/2001	JAPAN		
ce	37)	JP A 2002-319811 w/ abst. & trans	10/31/2002	JAPAN		
ce	38)	JP A 11-27026 w/ abstract & trans	01/29/1999	JAPAN		
ce	39)	JP U 5-76109 w/ abstract	10/15/1993	JAPAN		
ce	40)	JP A 2001-217632 w/ abst. & trans	08/10/2001	JAPAN		
ce	41)	JP 31-709	1/31/1921	JAPAN		
ce	42)	JP A 55-4109 w/ abstract	01/12/1980	JAPAN		
ce	43)	JP A 57-142003 w/ abstract	09/02/1982	JAPAN		
ce	44)	JP A 63-275204 w/ abstract	11/11/1988	JAPAN		
ce	45)	JP A 8-213820 w/ abstract & trans	08/20/1996	JAPAN		
ce	46)	JP A 2001-203521 w/ abst. & trans	07/27/2001	JAPAN		
ce	47)	JP A 9-223921	08/26/1997	JAPAN		
ce	48)	JP A 2002-190706	07/05/2002	JAPAN		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)						
ce	49)	Honda et al., "Improved Input Impedance of Circular Disc Monopole Antenna," Spring National Convention of The Institute of Electronics, Information and Communication Engineers, pp. 2-131, 1992				
ce	50)	Ihara et al., "Broadband Characteristics of Semi-Circular Antenna Combined with Linear Element," General Convention of The Institute of Electronics, Information and Communication Engineers, pp. 77, 1996				
ce	51)	Ihara et al., "A Small Broadband Antenna with Rounded Semi-Circular Element," Society Conference of The Institute of Electronics, Information and Communication Engineers, pp. 78, 1996				
ce	52)	Honda, "Wideband Monopole Antenna of Circular Disc," ITBJ Technical Report, Vol. 15, No., 59, pp. 25-30, October 1991				
EXAMINER		<i>Shit-tho chn</i>			DATE CONSIDERED <i>6/16/06</i>	
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						

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Sheet 1 of 1

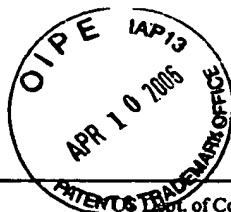
Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 124052		APPLICATION NO. 10/536,456	
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)				APPLICANT Hironori OKADO			
				FILING DATE June 2, 2005		GROUP 2821	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
<i>ce</i>	1)	5,255,002	10/19/1993	DAY	343	713	
<i>ce</i>	2)	US 6,452,548 B2	09/17/2002	NAGUMO et al.	343	700MS	
<i>ce</i>	3)	US 2002/0026586 A1	02/28/2002	ITO	713	183	
<i>ce</i>	4)	US 6,515,626 B2	02/04/2003	BARK et al.	343	700MS	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
<i>ce</i>	5)	JP A 6-291530 w/ abstract	10/18/1994	JAPAN			
<i>ce</i>	6)	JP A 2002-100915 w/ abstract	04/05/2002	JAPAN			
<i>ce</i>	7)	JP A 2002-171126 w/ abst. & trans	06/14/2002	JAPAN			
<i>ce</i>	8)	JP A 2002-252515 w/ abstract	09/06/2002	JAPAN			
<i>ce</i>	9)	JP A 2000-183789 w/ abstract	06/30/2000	JAPAN			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
EXAMINER  <i>Shih-hao Chen</i>				DATE CONSIDERED  <i>6/14/06</i>			
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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Sheet 1 of 1

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 124052		APPLICATION NO. 10/536,456	
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
<i>ce</i>	1	6,747,600 B2	6/8/2004	Wong et al	343	700MS	
<i>ce</i>	2	6,768,461 B2	7/27/2004	Huebner et al	343	700MS	
<i>ce</i>	3	4,605,933	8/12/1986	Butscher	343	700MS	
<i>ce</i>	4	5,521,606	5/28/1996	Iijima et al	343	713	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
<i>ce</i>	5	JP U 5-82122 w/Abstr & Trans	5/11/1993	Japan			
<i>ce</i>	6	EP 831548 A2	3/25/1998	Europe			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
EXAMINER				DATE CONSIDERED			
<i>Shih-phoe Chen</i>				<i>6/14/06</i>			
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: January 10, 2006

Sheet 1 of 1

Form PTO-1449 (REV. 1/06)		U.S. Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 124052		APPLICATION NO. 10/536,456	
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U.S. PATENT DOCUMENTS							
Examiner Initials	Cite No.	Document Number	Date	Name			
FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No.	Document Number	Date	Country	With English Abstract	With English Translation	
<i>ce</i>	1	JP A 05-063425	03-12-1993	JAPAN	X	X	
OTHER DOCUMENTS							
Examiner Initials	Cite No.	(Including Author, Title, Date, Pertinent Pages, etc.)					
<i>ce</i>	2	Kraus; "Antennas" 2 <sup>nd</sup> edition 1988; McGraw-Hill; pp. 723-725					
<i>ce</i>	3	Electronic Information Communication Institution; "Antenna Engineering Handbook"; October 1980; p. 128					
<i>ce</i>	4	Kraus; "Antennas" 2 <sup>nd</sup> edition 1988; McGraw-Hill; pp. 346-347					
EXAMINER  <i>shibata CL</i>				DATE CONSIDERED  <i>6/14/06</i>			
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: April 10, 2006